



PTO/SB/08A (07-05)

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
/SP/	10	EP 0320308 B1	11/3/1993	Backman		X
/SP/	11	WO 89/09284	10/5/1989	Walder		X
/SP/	12	GB 2 202328 A	9/21/1988	Soderlund		X
/SP/	13	WO 88/10315	12/29/1988	Gingeras		X
/SP/	14	EP 0329822 B1	6/8/1994	Davey		X
/SP/	15	WO 89/06700	7/27/89	Miller		X

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Signature**

/Steven Pohnert/ (03/24/2007) Date Considered

Date _____

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete If Known

Application Number	10/527,831
Filing Date	1/9/2006
First Named Inventor	North
Art Unit	1644
Examiner Name	

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Attorney Docket Number 316187

NON PATENT LITERATURE DOCUMENTS

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/SP/	16	BLANCHARD, ANDREW, et al., "The Structure and function of a-actinin," Journal of Muscle Research and Cell Motility 10, 280-289 (1989)	
/SP/	17	BEGGS, Alan H., et al., "Cloning and Characterization of Two Human Skeletal Muscle a-Actinin Genes Located on Chromosomes 1 and 11" The Journal of Biological Chemistry, Vol. 267, No. 13, Issue of May 5, pp 9281-9288, 1992	
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/SP/	19	PAPA, IRIS, et al., "Alpha actinin-CapZ, an anchoring complex for thin filaments in Z-line," Journal of Muscle Research and Cell Motility 20, pgs. 187-197, 1999 Kluwer Academic Publishers	
/SP/	20	SALMIKANGAS, PAULA, et al., "Myotilin, a novel sarcomeric protein with two Ig-like domains, is encoded by a candidate gene for limb-girdle muscular dystrophy," Human Molecular Genetics, 1999, Vol. 8, No. 7, pgs. 1329-1336 1999 Oxford University Press	
/SP/	21	BELLIN, Robert M., et al., "Molecular characteristics and Interactions of the Intermediate Filament Protein Synemin," The Journal of Biological Chemistry, Vol. 274, No. 41, Issue of October 8, pgs. 29493-29499	
/SP/	22	MCGREGOR, ALISTAIR, "Identification of the Vinculin-binding Site in the Cytoskeletal Protein a-actinin" Biochem (1994) 301, pgs. 225-233 (Printed In Great Britain)	
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/SP/	24	OTEY, Carol A., et al., "Mapping of the a-Actinin Binding Site within the B1 Integrin Cytoplasmic Domain," The Journal of Biological Chemistry, Vol. 268, No. 28, Issue of October 5, pgs. 21193-21197	
/SP/	25	FUKAMI, et al., "a-Actinin and Vinculin Are PIP2-binding Proteins Involved in Signaling by Tyrosine Kinase" The Journal of Biological Chemistry, Vol. 269, No. 2, Issue of January 14, pgs. 1518-1522, 1994	
/SP/	26	SHIBASAKI, Futoshi, et al., "Phosphatidylinositol 3-kinase binds to a-actinin through the p85 subunit" Biochem Journal (1994) 302, pgs. 551-557 (Printed In Great Britain)	

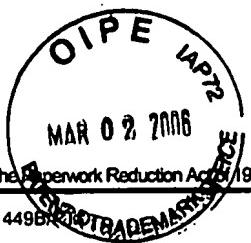
Examiner Signature	/Steven Pohnert/ (03/24/2006)	Date	
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Complete If Known

Application Number	10/527,831	MAR - 6	2006
Filing Date	1/9/2006		
First Named Inventor	North		
Art Unit	1641	TECH CENTER	600/2900
Examiner Name			

Attorney Docket Number

316187

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/SP/	27	POMIES, PASCAL, et al., "CRP1, a LIM Domain Protein Implicated in Muscle Differentiation, Interacts with a-Actinin" The Journal of Cell Biology, Volume 139, Number 1, October 6, 1997, pgs. 157-168	
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/SP/	29	NORTH, KATHRYN, et al., "A common nonsense mutation results in a-actinin-3 deficiency in the general population" 1999 Nature America Inc., Vol. 21, April 1999, pgs. 353-354	
/SP/	30	NOWAK, Martin A, et al., "Evolution of genetic redundancy" Letters to Nature Vol. 388 10 July 1997, pgs. 167-171	
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Complete If Known

Application Number 10/527,831

Filing Date 1/9/2006

First Named Inventor North

Art Unit 1641

Examiner Name

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Attorney Docket Number 316187

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/SP/	38	MELTZOFF, A., "Rational Imitation in Preverbal Infants" Nature, Vol. 415, 14 February 2002, pgs. 755-756		
/SP/	39	RANKINEN, TUOMO, et al., "The Human Gene Map for Performance and Health-related Fitness Phenotypes: the 2001 update" MSSE Special Report, 0195-9131/02/3408-1219, 2002 by the American College of Sports Medicine		
/SP/	40	PERUSSE, LOUIS, et al., "The Human Gene Map for Performance and Health-related Fitness Phenotypes: The 2002 Update," Medicine & Science in Sports & Exercise, the American College of Sports Medicine 0195-9131/03/3508 pgs. 1248-1264		
/SP/	41	MILLS, MICHELLE, et al., "Differential expression of the actin-binding proteins, a-actinin-2 and -3, in different species: implications for the evolution of functional redundancy" Human Molecular Genetics, Vol. 10, No. 13, pgs 1335-1346		
/SP/	42	EIZEMA, KARIN, et al., "Differential Expression of Equine Myosin Heavy-chain mRNA and Protein Isoforms in a Limb Muscle" Vol. 51(9): The Journal of Histochemistry & Cytochemistry, 2003, pgs. 1207-1216		
/SP/	43	WALKER, G. TERRANCE, et al., "Isothermal In vitro amplification of DNA by a Restriction enzyme/DNA Polymerase System" Vol. 89, pgs. 392-396, January 1992 Applied Biological Sciences, pgs. 392-396		
/SP/	44	KWOH, D. Y., et al., "Transcription-based amplification system and detection of amplified human immunodeficiency virus type 1 with a bead-based sandwich hybridization format" Biochemistry, Proc. Natl. Acad. Sci. USA, Vol. 86, pgs. 1173-1177, February 1989		
/SP/	45	OHARA, OSAMU, et al., "One-sided Polymerase Chain Reaction: The amplification of cDNA" Pro. Natl. Acad. Sci. USA, Biochemistry, Vol. 86, pgs. 5673-5677, August 1989		
/SP/	46	NORTH, KATHRYN N., et al., "Deficiency of a Skeletal Muscle Isoform of a-Actinin (a-Actinin-3) in Merosin-Positive Congenital Muscular Dystrophy" Neuromusc. Disord., Vol. 6, No. 4, pgs. 229-235, 1996		
/SP/	47	FRIDEN, J., et al., "Eccentric Exercise-Induced Injuries to Contractile and Cytoskeletal Muscle Fibre components" Acta Physiol Scand 2001, 171, Scandinavian Physiological Society, pgs. 321-326		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>	Application Number	10527831
	Filing Date	2006-01-09
	First Named Inventor	North
	Art Unit	1644 → 1634 <i>Pohner</i>
	Examiner Name	
Attorney Docket Number	59195-316187	

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- See attached certification statement.
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 None

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Signature	/Richard A. Nakashima/	Date (YYYY-MM-DD)	2007-01-08
Name/Print	Richard A. Nakashima	Registration Number	42,023

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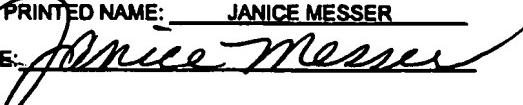
In Re the Application of:)
NORTH, Kathryn Nance)
Int'l. Serial No.: PCT/AU2003/001202)
Int'l. Filing Date: September 15, 2003)
Priority Date: September 14, 2002)
U.S. Serial No.: 10/527,831)
For: "ACTN3 GENOTYPE SCREEN FOR)
ATHLETIC PERFORMANCE")
Atty. File No.: 59195-316187)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete If Known

Application Number	10/527,831
Filing Date	March 15, 2005
First Named Inventor	Kathryn Nance North
Art Unit	
Examiner Name	
Sheet	1
of	1
Attorney Docket Number	59195-316187

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (<i>If known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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/SP/		"Deficiency of α-Actinin-3 (ACTN3) Occurs in Different Forms of Muscular Dystrophy" by Vainzof et al., <i>Neuropediatrics</i> 28 (1997), 223-228
/SP/		"ACTN3 Genotype is Associated with Human Elite Athletic Performance" by Yang et al., <i>American Journal of Human Genetics</i> , 73: 627-631, 2003
/SP/		"Differential Expression of the Actin-Binding Proteins, α-actinin-2 and -3, in Different Species: Implications for the Evolution of Functional Redundancy" by Mills, et al., <i>Human Molecular Genetics</i> , 2001, Vol. 10, No. 13, 1335-1346
/SP/		"Deficiency of Muscle α-Actinin-3 is Compatible with High Muscle Performance" BY Zanoteli et al., <i>Journal of Molecular Neuroscience</i> , Vol. 20, 2003, pp. 39-42.
/SP/		"A Common Nonsense Mutation Results in α-Actinin-3 Deficiency in the General Population" by North et al., <i>Nature Genetics</i> , Vol. 21, April 1999, pp. 353-354

Examiner Signature	/Steven Pohnert (04/06/2007)	Date Considered
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	Filing Date		2006-01-09
	First Named Inventor		North
	Art Unit		1634
	Examiner Name		pohnert
	Attorney Docket Number		59195-316187

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(Not for submission under 37 CFR 1.99)</small>	Application Number	10527831
	Filing Date	2006-01-09
	First Named Inventor	North
	Art Unit	1041-1634
	Examiner Name	Pohnert
	Attorney Docket Number	59195-316187

/SP/	1	NAZAROV, IGOR B., et al., "The angiotensin converting enzyme I/D polymorphism in Russian athletes" European Journal of Human Genetics (2001) 9, 797-801 XP-002404827	<input type="checkbox"/>
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	U	Mills et al, Human Molecular Genetics (2001) Volume 10, pages 1335-1346
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